

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method of utilizing code division multiple access in modulated reflectance of transmissions comprising the steps of:

generating a data bit stream;

coding said data bit stream to increase its bit rate;

providing said data bit stream to a switch that selectively connects an antenna to at least one power splitter such that the antenna has a high impedance in the event a "1" is to be sent a low impedance in the event a "0" is to be sent, wherein the at least one power splitter connects at least one matched load to the antenna, and wherein the matched load is also connected to the ground;

receiving a return signal from a modulated reflector, wherein the return signal has two reflection states; and

switching the phase of ~~[[a]] the return signal received from a modulated reflector~~ between the two reflection states.

2. (Canceled)

3. (Original) The method as described in claim 1, wherein said at least one power splitter is one power splitter.

4. (Previously Presented) Apparatus for utilizing code division multiple access in modulated reflectance transmissions comprising:

a modulated reflectance unit generating a phase-modulated data bit stream at a pre-selected rate;

a coder receiving a data bit stream for having a pre-selected rate wherein said code modifies said data bit stream by increasing said pre-selected rate;

a switch receiving said data bit stream and connecting an antenna to at least one power splitter such that the antenna has a high impedance in the event a "1" is to be sent a low impedance in the event a "0" is to be sent, wherein the at least one power splitter connects at least one matched load to the antenna, and wherein the matched load is also connected to the ground; and

a subcarrier, wherein the subcarrier is created by switching the impedance between two reflective states.

5.(Canceled).

6. (Previously Presented) The apparatus as described in claim 4, wherein said at least one power splitter is one power splitter.

7. (Currently Amended) A method of utilizing code division multiple access in modulated reflectance transmissions comprising the steps of:

generating data bit stream;

converting data bit stream to bipolar states of "+1s" and "-1s;"

generating square waves;

multiplying said square waves with said bipolar states;

providing said multiplication to a switch that connects an antenna to at least one power splitter such that the antenna has a high impedance in the event a "1" is to be sent a low impedance in the event a "-1" is to be sent, wherein the at least one power splitter connects at least one matched load to the antenna, and wherein the matched load is also connected to the ground; and

receiving a return signal from a modulated reflector, wherein the return signal has two reflection states; and

switching the phase of ~~[[a]] the return signal received from a modulated reflector~~ between the two reflection states.

8. (Previously Presented) Apparatus for utilizing code division multiple access in modulated reflectance transmissions comprising:

square wave generation means for outputting square waves;

means for generating a phase-modulated reflectance data bit stream;

converter means for converting said data bit stream to bipolar states of "+1" and "-1;"

multiplication means for multiplying together said square waves and said bipolar states;

a switch receiving said multiplication for connecting an antenna to at least one power splitter such that the antenna has a high impedance in the event a "1" is to be sent a low impedance in the event a "-1" is to be sent, wherein the at least one power splitter connects at least one matched load to the antenna, and wherein the matched load is also connected to the ground; and

a subcarrier, wherein the subcarrier is created by switching the impedance between two reflective states.